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Techalloy
Company, Inc.

370 Franklin Turnpike, Mahwah, NJ 07430 Phone: 201-529-0900

FAX: 201-529-1074

October 1, 1993

RECEIVED
OCT 04 1993

OFFICE OF RCRA
WASTE MANAGEMENT DIV.
EPA, REGION 5

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Boulevard
Chicago, IL 60604

RE: Attestation to Private Well Corrective Offer

Dear Mr. Buller:

Techalloy Company, Inc. ("Techalloy") is providing the U.S. EPA with this attestation to the corrective offer made to a private well owner located in Union, Illinois.

The results of the private well sampling performed for Techalloy in Union, Illinois identified constituents of concern at concentrations above their respective MCLs at the residence located on the **Non-responsive** **Non-responsive**. In a letter to the property owner, **Non-responsive** dated August 31, 1993, WESTON provided the results of the well water analysis and provided the owner with the corrective alternatives specified in the Administrative Order on Consent (see attached letter). At the present time, Techalloy is awaiting a response from the property owner, consistent with the Consent Order.

The following attestation provides documentation that a Techalloy company officer verifies the actions taken.

I certify that the information contained in and accompanying this letter are true, accurate and complete. For those portions of the private well sampling program that I cannot personally verify are true and accurate, I certify as the company official having supervisory responsibility for the person(s) who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

If you have any questions or require any additional information, please do not hesitate to call WESTON (708) 918-4000.

Sincerely,



Henry Lopes
Vice President Technical

HL:akw

cc: Kevin Lesko, IEPA
Rick Perlick, Techalloy
Carlos Serna, WESTON



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at the residence located at the northeast corner of **Non-responsive**. The laboratory results indicate that two compounds are present at concentrations above the U.S. EPA allowable consumption limits in drinking water. The compounds 1,1-dichloroethene and trichloroethene are present in the well water at concentrations of 12 micrograms per liter ($\mu\text{g/L}$) and 6 $\mu\text{g/L}$, respectively. The U.S. EPA has established maximum contaminant levels (MCLs) for 1,1-dichloroethene and trichloroethene of 5 $\mu\text{g/L}$ in drinking water. The MCL is the maximum allowable concentration of a compound present in a public water supply.

In September of 1991 the second water supply well on this property was sampled. This well is located in a pumphouse north of the residence. Results of this sampling indicated that the compound trichloroethene was present at a concentration of 8 $\mu\text{g/L}$. This concentration also exceeds the MCL for trichloroethene.

Both wells on the property are known to contain compounds above their respective MCLs, and these compounds have been identified on the Techalloy property. Therefore, as required by U.S. EPA in their Administrative Order, Techalloy is offering to make corrective actions for this water supply. Techalloy will provide the property owner with a connection to the local municipal water supply or filtering systems for the existing wells.

If the property owner chooses to be connected to the municipal water supply Techalloy will secure the existing wells consistent with state regulations.

Non-responsive, please respond to Techalloy in writing indicating your preferred action for your water supply. The U.S. EPA Administrative Order then requires Techalloy to fulfill the accepted corrective offer within 365 days of the offers acceptance.



Non-responsive

-2-

31 August 1993

If you have any questions regarding this information please do not hesitate to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rich Perlick, Techalloy
Henry Lopes, Techalloy



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

RECEIVED

October 1993

OCT 05 1993

OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA, REGION V

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Work Order No. 01989-011-001

Re: Results of Private Well Sampling

Dear Mr. Buller:

Roy F. Weston, Inc. (WESTON®) is providing you with the results of the private well resampling completed for Techalloy Company, Inc. (Techalloy) located in Union, Illinois. WESTON resampled the private well located at **Non-responsive** in Union, Illinois after the analysis of the initial well water sample indicated the presence of 1,2-dichloroethane at 11 µg/L.

On 31 August 1993, WESTON collected two water samples from the well at **Non-responsive** for reanalysis to confirm or refute the original detection. The results of the reanalysis are presented in the original data sheets that have been enclosed. No volatile organic compounds were detected above the quantification limit of 0.5 µg/L in either reanalysis. The compound 1,2-dichloroethane was not detected. Because both reanalyses did not detect VOCs above MCLs, no corrective action is required for this water supply. This well will be sampled again in January 1994 as part of the required semi-annual sampling.

If you have any questions or require any additional information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

TSH:CJS:amp

Enclosure





WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Thursday September 16th, 1993

RE: RW-04-01R

Project # 01989-009-001-9999

Lab ID: 9309G073-001

Sample Date: 08/31/93

Date Received: 09/01/93

Units: UG/L ✓

Attn: Mr. Carlos Serna

PURGEABLE HALOCARBONS BY GC, METHOD 601

Compound	Result	Reporting Limit	Flag
Vinyl Chloride	BRL	0.80	U

L. K. Serna
9/27/93



WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

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Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

Attn: Mr. Carlos Serna

RE: RW-04-01R
Project # 01989-009-001-9999
Lab ID: 9309G073-001
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Reporting Limit	Flag
Dichlorodifluoromethane	BRL	0.5	U
Chloromethane	BRL	0.5	U
Bromomethane	BRL	0.5	U
Vinyl Chloride	BRL	0.5	U
Chloroethane	BRL	0.5	U
Methylene Chloride	0.5	0.5	
Trichlorofluoromethane	BRL	0.5	U
1,1-Dichloroethene	BRL	0.5	U
1,1-Dichloroethane	BRL	0.5	U
cis-1,2-Dichloroethene	BRL	0.5	U
2,2-Dichloropropane	BRL	0.5	U
trans-1,2-Dichloroethene	BRL	0.5	U
Chloroform	BRL	0.5	U
Bromochloromethane	BRL	0.5	U
1,2-Dichloroethane	BRL	0.5	U
1,1,1-Trichloroethane	BRL	0.5	U
Carbon Tetrachloride	BRL	0.5	U

XK
9/27/93



WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

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Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

Attn: Mr. Carlos Serna

RE: RW-04-01R
Project # 01989-009-001-9999
Lab ID: 9309G073-001
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Reporting Limit	Flag
1,1-Dichloropropene	BRL	0.5	U
Bromodichloromethane	BRL	0.5	U
Dibromomethane	BRL	0.5	U
1,2-Dichloropropane	0.5	0.5	
Trichloroethene	BRL	0.5	U
Dibromochloromethane	BRL	0.5	U
1,2-Dibromoethane	BRL	0.5	U
1,1,2-Trichloroethane	BRL	0.5	U
Benzene	BRL	0.5	U
1,3-Dichloropropane	BRL	0.5	U
Bromoform	BRL	0.5	U
Tetrachloroethene	BRL	0.5	U
1,1,2,2-Tetrachloroethane	BRL	0.5	U
Toluene	BRL	0.5	U
Chlorobenzene	BRL	0.5	U
1,1,1,2-Tetrachloroethane	BRL	0.5	U
Ethylbenzene	BRL	0.5	U

2K 9/27/93



WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

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Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

RE: RW-04-01R
Project # 01989-009-001-9999
Lab ID: 9309G073-001
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

Attn: Mr. Carlos Serna

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Reporting Limit	Flag
Styrene	BRL	0.5	U
m/p-xylene	BRL	0.5	U
o-Xylene	BRL	0.5	U
Bromobenzene	BRL	0.5	U
1,2,3-Trichloropropane	BRL	0.5	U
Isopropylbenzene	BRL	0.5	U
n-Propylbenzene	BRL	0.5	U
2-Chlorotoluene	BRL	0.5	U
4-Chlorotoluene	BRL	0.5	U
1,3,5-Trimethylbenzene	BRL	0.5	U
tert-Butylbenzene	BRL	0.5	U
1,2,4-Trimethylbenzene	BRL	0.5	U
sec-Butylbenzene	BRL	0.5	U
p-Isopropyltoluene	BRL	0.5	U
1,3-Dichlorobenzene	BRL	0.5	U
1,4-Dichlorobenzene	BRL	0.5	U
1,2-Dichlorobenzene	BRL	0.5	U

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WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

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Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

Attn: Mr. Carlos Serna

RE: RW-04-01R
Project # 01989-009-001-9999
Lab ID: 9309G073-001
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest
internal standard were tentatively identified by mass
spectral library search. This is exclusive of any target
compounds, surrogates or internal standards.



WESTON-GULF COAST, INC.

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ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Attn: Mr. Carlos Serna

Date: Thursday September 16th, 1993

RE: RW-04-01R-DP
Project # 01989-009-001-9999
Lab ID: 9309G073-003
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

PURGEABLE HALOCARBONS BY GC, METHOD 601

Compound	Result	Reporting Limit	Flag
Vinyl Chloride	BRL	0.80	U

*L. K. K. K. K. K.
9/16/93*



WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

Attn: Mr. Carlos Serna

RE: RW-04-01R-DP
Project # 01989-009-001-9999
Lab ID: 93096073-003
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Reporting Limit	Flag
Dichlorodifluoromethane	BRL	0.5	U
Chloromethane	BRL	0.5	U
Bromomethane	BRL	0.5	U
Vinyl Chloride	BRL	0.5	U
Chloroethane	BRL	0.5	U
Methylene Chloride	BRL	0.5	U
Trichlorofluoromethane	BRL	0.5	U
1,1-Dichloroethene	BRL	0.5	U
1,1-Dichloroethane	BRL	0.5	U
cis-1,2-Dichloroethene	BRL	0.5	U
2,2-Dichloropropane	BRL	0.5	U
trans-1,2-Dichloroethene	BRL	0.5	U
Chloroform	BRL	0.5	U
Bromochloromethane	BRL	0.5	U
1,2-Dichloroethane	BRL	0.5	U
1,1,1-Trichloroethane	BRL	0.5	U
Carbon Tetrachloride	BRL	0.5	U

9/21/93
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WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

RE: RW-04-01R-DP
Project # 01989-009-001-9999
Lab ID: 9309G073-003
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

Attn: Mr. Carlos Serna

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Reporting Limit	Flag
1,1-Dichloropropene	BRL	0.5	U
Bromodichloromethane	BRL	0.5	U
Dibromomethane	BRL	0.5	U
1,2-Dichloropropane	0.5	0.5	
Trichloroethene	BRL	0.5	U
Dibromochloromethane	BRL	0.5	U
1,2-Dibromoethane	BRL	0.5	U
1,1,2-Trichloroethane	BRL	0.5	U
Benzene	BRL	0.5	U
1,3-Dichloropropane	BRL	0.5	U
Bromoform	BRL	0.5	U
Tetrachloroethene	0.5	0.5	
1,1,2,2-Tetrachloroethane	BRL	0.5	U
Toluene	BRL	0.5	U
Chlorobenzene	BRL	0.5	U
1,1,1,2-Tetrachloroethane	BRL	0.5	U
Ethylbenzene	BRL	0.5	U

9/27/93
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WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

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Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

Attn: Mr. Carlos Serna

RE: RW-04-01R-DP
Project # 01989-009-001-9999
Lab ID: 9309G073-003
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Reporting Limit	Flag
Styrene	BRL	0.5	U
m/p-xylene	BRL	0.5	U
o-Xylene	BRL	0.5	U
Bromobenzene	BRL	0.5	U
1,2,3-Trichloropropane	BRL	0.5	U
Isopropylbenzene	BRL	0.5	U
n-Propylbenzene	BRL	0.5	U
2-Chlorotoluene	BRL	0.5	U
4-Chlorotoluene	BRL	0.5	U
1,3,5-Trimethylbenzene	BRL	0.5	U
tert-Butylbenzene	BRL	0.5	U
1,2,4-Trimethylbenzene	BRL	0.5	U
sec-Butylbenzene	BRL	0.5	U
p-Isopropyltoluene	BRL	0.5	U
1,3-Dichlorobenzene	BRL	0.5	U
1,4-Dichlorobenzene	BRL	0.5	U
1,2-Dichlorobenzene	BRL	0.5	U

9/27/93
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9/27/93
LK



WESTON-GULF COAST, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

Fax: (708) 534-5211

ANALYTICAL REPORT

To: Techalloy
Roy F. Weston, Incorporated
3 Hawthorn Parkway, Suite 400
Vernon Hills, IL 60061

Date: Monday September 20th, 1993

Attn: Mr. Carlos Serna

RE: RW-04-01R-DP
Project # 01989-009-001-9999
Lab ID: 9309G073-003
Sample Date: 08/31/93
Date Received: 09/01/93
Units: UG/L

Tentatively Identified Compounds

No Volatile Compounds greater than 10% of the nearest
internal standard were tentatively identified by mass
spectral library search. This is exclusive of any target
compounds, surrogates or internal standards.



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

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SEP 14 1993

9 September 1993

OFFICE OF RCRA
WASTE MANAGEMENT DIV.
EPA, REGION V

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Blvd.
Chicago, IL 60604

Work Order No. 01989-011-001

Re: Private Well Sampling Results

Dear Mr. Buller:

At your request, Roy F. Weston, Inc. (WESTON®) is providing U.S. EPA with copies of the original analytical data sheets from the private well sampling completed for Techalloy Company, Inc. (Techalloy) in Union, Illinois. WESTON sampled twelve private residential water wells on 22 and 23 July 1993 in Union, Illinois. The results of the analyses were summarized in a letter from WESTON to U.S. EPA dated 31 August 1993. The data sheets are enclosed along with Table 1 from the 31 August letter summarizing the detected constituents and the sample number and address correlation.

In response to your request for information related to the aquifer pumping test at the Village of Union's Municipal Well Number 3, WESTON does not possess any hardcopy information related to this test. On 14 January 1993, WESTON contacted by telephone Ms. Dorothy Woller at the Illinois State Water Survey (217-333-1724) and received the following verbal information on the pumping test performed at Union's Well No. 3:

- Pumping test performed in 1962.
- Static water level six feet below ground surface (bgs). Total well depth 80 feet bgs.
- Pumping rate 350 gpm
Drawdown 4 feet
Test duration 3 hrs.
- Hydraulic conductivity -- $K = 1,430 \text{ gal/day/ft}^2$
- Transmissivity -- $T = 100,000 \text{ gal/day/ft}$

A copy of the telephone conversation record has been enclosed.





Mr. William Buller
U.S. Environmental Protection Agency

-2-

9 September 1993

If you have any questions or require any additional information, please do not hesitate to contact me at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS/ieh

Enclosures

PHONE CONVERSATION RECORD

Conversation with:

Name Dorothy Weller

Company IL Water Survey

Address _____

Phone (217) 333-1724

Subject Tech Alley - Municipal Well # 3 in Union

Date 1 / 14 / 93

Time 3:00 AM ☒ PM

☒ Originator Placed Call

☐ Originator Received Call

W.O. NO. _____

Notes:

• Information about Municipal Well #3

• Test done in 1962

• Hydraulic Conductivity $K = 1430 \text{ gal/day ft}^2$
 $= 0.07 \text{ cm/sec}$

• Transmissivity $T = 100,000 \text{ gal/day ft}^2$

• Static Level = 6 ft

Drawdown = 4 ft

Pumping Rate = 350 gpm

Test done for 3 hrs

Well Depth = 80 ft

☐ File _____

☐ Tickle File _____ / _____ / _____

☐ Follow-Up By: _____

☐ Copy/Route To: _____

Follow-Up-Action: _____

Originator's Initials _____



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1750
708-918-4000 • FAX: 708-918-4055

RECEIVED

SEP 14 1993

9 September 1993

OFFICE OF RCRA
WASTE MANAGEMENT DIV.
EPA, REGION IV

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Blvd.
Chicago, IL 60604

Work Order No. 01989-011-001

Re: Private Well Sampling Results

Dear Mr. Buller:

At your request, Roy F. Weston, Inc. (WESTON®) is providing U.S. EPA with copies of the original analytical data sheets from the private well sampling completed for Techalloy Company, Inc. (Techalloy) in Union, Illinois. WESTON sampled twelve private residential water wells on 22 and 23 July 1993 in Union, Illinois. The results of the analyses were summarized in a letter from WESTON to U.S. EPA dated 31 August 1993. The data sheets are enclosed along with Table 1 from the 31 August letter summarizing the detected constituents and the sample number and address correlation.

In response to your request for information related to the aquifer pumping test at the Village of Union's Municipal Well Number 3, WESTON does not possess any hardcopy information related to this test. On 14 January 1993, WESTON contacted by telephone Ms. Dorothy Woller at the Illinois State Water Survey (217-333-1724) and received the following verbal information on the pumping test performed at Union's Well No. 3:

- Pumping test performed in 1962.
- Static water level six feet below ground surface (bgs). Total well depth 80 feet bgs.
- Pumping rate 350 gpm
Drawdown 4 feet
Test duration 3 hrs.
- Hydraulic conductivity -- $K = 1,430 \text{ gal/day/ft}^2$
- Transmissivity -- $T = 100,000 \text{ gal/day/ft}$

A copy of the telephone conversation record has been enclosed.





Mr. William Buller
U.S. Environmental Protection Agency

-2-

9 September 1993

If you have any questions or require any additional information, please do not hesitate to contact me at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS/ieh

Enclosures

PHONE CONVERSATION RECORD

Conversation with:

Name Dorothy Weller

Company IL Water Survey

Address _____

Phone (217) 333-1724

Subject Tech Alley - Municipal Well # 3 in Union

Date 1 / 14 / 93

Time 3:00 AM ☒ PM

☒ Originator Placed Call

☐ Originator Received Call

W.O. NO. _____

Notes:

• Information about Municipal Well #3

• Test done in 1962

• Hydraulic Conductivity $K = 1430 \text{ gal/day ft}^2$
 $= 0.07 \text{ cm/sec}$

• Transmissivity $T = 100,000 \text{ gal/day ft}^2$

• Static Level = 6 ft
Drawdown = 4 ft
Pumping Rate = 350 gpm
Test done for 3 hrs
Well Depth = 80 ft

☐ File _____

☐ Tickle File _____

☐ Follow-Up By: _____

☐ Copy/Route To: _____

Follow-Up-Action: _____

Originator's Initials _____



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Mr. William Buller
United States Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Boulevard
Chicago, Illinois 60604

RECEIVED

SEP 1 1993

OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA, REGION V

Re: Results of the Private Well Sampling for
Techalloy Company in Union, Illinois

Dear Mr. Buller:

Roy F. Weston, Inc. (WESTON®) is providing U.S. EPA with the analytical results of the private well sampling performed for Techalloy Company in Union, Illinois. Thirteen private water wells were identified for sampling the Private Well Sampling Plan (PWSP) dated May 1993. On 22 and 23 July 1993 WESTON sampled twelve of the thirteen wells. One well owner, Mr. John Heimsoth at 6201 Park Street, refused to allow WESTON access to sample his well. The twelve wells that were sampled were sampled following the procedures outlined in the PWSP and in relevant portions of the RFI QAPP. Each well sample was analyzed for VOCs, total and soluble metals, cyanide, nitrate, sulfate and total suspended solids. The analyses were performed at WESTON-Gulf Coast Laboratories located in University Park, Illinois. The compounds detected are presented in Table 1. The locations of the private wells sampled are depicted in Figure A. The areal distribution of the compounds detected is depicted in Figure B.

Table 1 indicates that VOCs were detected above their associated MCLs at two of the locations sampled. At the residential well at the northeast corner of Union and Highbridge Roads, the compounds 1,1-dichloroethene (1,1-DCE) and trichloroethene (TCE) were detected at concentrations of 12 $\mu\text{g/L}$ and 6 $\mu\text{g/L}$, respectively. At the residence located at 6212 Main Street the compound 1,2-dichloroethane (1,2-DCA) was detected at a concentration of 11 $\mu\text{g/L}$.

Techalloy has contacted the property owner at the northeast corner of Union and Highbridge Roads with the sampling results and the offers stipulated in the Consent Order. Because this residence is located within the boundaries of the constituent plume, resampling at this property is not necessary.

There are two wells located on this property, one well supplies the residence from its



Mr. William Buller
U.S. EPA

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31 August 1993

basement location. The other well is located in a small pumphouse approximately 75 feet north of the residence. The well supplying the dwelling was sampled in July 1993, the pumphouse well was sampled in September 1991. Sampling of the pumphouse well detected TCE at 8 $\mu\text{g/L}$.

Techalloy has offered to provide filtering systems for both wells or provide connection to the local municipal water supply system with water made available at both well locations. The U.S. EPA has been copied on the offering correspondence.

The property owner at **Non-responsive** has also been notified of the sampling results and permission has been requested to resample this well. The well will be resampled for VOCs to confirm or refute the detection of 1,2-DCA. The well will be sampled the week of 30 August 1993 and the owner and U.S. EPA will be notified of the results within 15 days of WESTON's receipt of the analytical results.

The property owner at **Non-responsive** has also been notified of the sampling results. Nitrate was detected at this location at a concentration above its respective MCL. Because this well is located immediately downgradient of active agricultural lands the detection of nitrate in the shallow groundwater is not unexpected. Because of the intensive agricultural land use in the area it is inappropriate to attribute the nitrate presence to the Techalloy facility. As specified by the Consent Order, constituents are defined as those constituents which are identified in the groundwater at the Respondent's facility which exceed background levels. For these reasons no action is being taken by Techalloy.

The remaining residential well owners have also been notified that the analytical testing of their well water did not detect any constituents above the applicable standards. The well owners have also been notified that EPA requires that these wells be sampled again in five months.

Based on the results of this sampling effort WESTON is requesting that U.S. EPA revise the number of wells required to be sampled on a semi-annual basis to reflect only those wells showing potential impact by the Techalloy plume. This determination is based on the magnitude and areal distribution of the constituent detections (Figure B) and specifically comparing the analytical results at the **Non-responsive** location within the known plume boundary, to the results of the remaining outlying residential wells. The absence of VOC detections along **Non-responsive** indicates the plume has not impacted this area. The absence of VOC detections along the west side of Park Street indicates this area has not been affected. The VOC detections at the residences along **Non-responsive** indicate potential plume impact,



Mr. William Buller
U.S. EPA

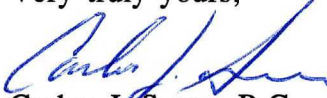
-3-

31 August 1993

however, the lack of VOC detections at **Non-responsive** upgradient of the **Non-responsive** wells suggest the Techalloy plume has not impacted this area. This raises the possibility of impact to the **Non-responsive** wells by an unknown source separate from Techalloy. Based on this information WESTON proposes that the wells located at **Non-responsive** **Non-responsive** be sampled semi-annually. If future sampling at the **Non-responsive** indicates the exceedance of an MCL, corrective offers from Techalloy should be delayed until the source of the constituent impact can be determined. WESTON has requested from IEPA, the California Chemical RCRA closure report to evaluate the constituents present downgradient of its facility.

If you have any questions or require any additional information, please do not hesitate to contact WESTON at (708) 918-4000.

Very truly yours,



Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy

Table 1
Private Well Sampling Results - July 1993
Techalloy Company
Union, Illinois

Sample ID:	Non-responsive	Non-responsive	Non-responsive	Non-responsive	Non-responsive	Non-responsive	Non-responsive	RW-06-01	Non-responsive		
Address:								So Good BBQ			
Date:								07/22/93		MCL/ Action Levels	Reporting Limit
<u>Metals, Total (mg/L)</u>											
Barium, Total	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	BDL	2	0.050
Copper, Total	BDL	0.023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3 (Action Level)	0.020
Lead, Total	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015 (Action Level)	0.0020
<u>Metals, Soluble (mg/L)</u>											
Barium, Soluble	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	BDL	2	0.050
Copper, Soluble	BDL	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3 (Action Level)	0.020
Lead, Soluble	0.0047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015 (Action Level)	0.0020
<u>Volatile Organic Compounds (µg/L)</u>											
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7	0.5
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NCA	0.5
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100	0.5
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200	0.5
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
1,2-Dichloropropane	BDL	BDL	BDL	BDL	1	BDL	BDL	BDL	BDL	5	0.5
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.6	5	0.5
Tetrachloroethene	BDL	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
<u>Purgeable Halocarbons (µg/L)</u>											
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	0.8

Table 1 (Continued)
Private Well Sampling Results - July 1993
Techalloy Company
Union, Illinois

Sample ID:	Non-responsive	Non-responsive	Non-responsive	Non-responsive	Non-responsive	Non-responsive	Non-responsive	RW-06-01	Non-responsive		
Address:								So Good BBQ			
Date:								07/22/93		MCL/ Action Levels	Reporting Limit
<u>Inorganics (mg/L)</u>											
Nitrate, as N	5.8	6.8	7.4	7.4	0.66	5.6	5.6	BDL	2.3	10	0.5
Sulfate	37.3	33.1	39.1	43.0	50.1	42.5	43.5	BDL	36.2	250	5.0

Compounds not presented were BDL for all samples.

J - Estimated Concentration.

BDL - Below Detection Limit.

UJ - Estimated Detection Limit.

MCL - Maximum Contaminant Level.

SMCL - Secondary MCL, nonenforceable guideline based on organoleptic properties (e.g., taste, color, odor).

Shading - Detected concentration above MCL or applicable standard.

Action Level - Concentration in water requiring action at distribution source.

NCA - No criteria available.

Table 1 (Continued)
Private Well Sampling Results - July 1993
Techalloy Company
Union, Illinois

Sample ID:	Non-responsive					FB-01	FB-02	TB072093	MCL/ Action Levels	Reporting Limit
Address:						07/22/93	07/22/93	07/22/93		
Date:										
<u>Metals, Total (mg/L)</u>										
Barium, Total	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	0.050
Copper, Total	BDL	BDL	0.053	BDL	BDL	BDL	BDL	BDL	1.3 (Action Level)	0.020
Lead, Total	BDL	BDL	BDL	BDL	BDL	BDL	0.0070	BDL	0.015 (Action Level)	0.0020
<u>Metals, Soluble (mg/L)</u>										
Barium, Soluble	BDL	0.054	BDL	BDL	BDL	BDL	BDL	BDL	2	0.050
Copper, Soluble	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3 (Action Level)	0.020
Lead, Soluble	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015 (Action Level)	0.0020
<u>Volatile Organic Compounds (µg/L)</u>										
Methylene Chloride	BDL	BDL	BDL	BDL	1 J	1	1	1	5	0.5
1,1-Dichloroethene	BDL	BDL	BDL	BDL	12	BDL	BDL	BDL	7	0.5
1,1-Dichloroethane	1	0.7	BDL	BDL	1 J	4	4	BDL	NCA	0.5
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100	0.5
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	110 J	BDL	BDL	BDL	200	0.5
Carbon Tetrachloride	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
Trichloroethene	1	BDL	BDL	BDL	6	BDL	BDL	BDL	5	0.5
Tetrachloroethene	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	0.5
<u>Purgeable Halocarbons (µg/L)</u>										
Vinyl Chloride	0.80 UJ	BDL	BDL	BDL	BDL	BDL	BDL	0.80 UJ	2	0.8

Table 1 (Continued)
Private Well Sampling Results - July 1993
Techalloy Company
Union, Illinois

Sample ID:	Non-responsive					FB-01	FB-02	TB072093		
Address:									MCL/ Action Levels	Reporting Limit
Date:						07/22/93	07/22/93	07/22/93		
<u>Inorganics (mg/L)</u>										
Nitrate, as N	4.8	2.8	17.6	4.6	4.5	BDL	BDL	BDL	10	0.5
Sulfate	40.7	51.0	33.5	183	14.2	BDL	BDL	BDL	250	5.0

Compounds not presented were BDL for all samples.

J - Estimated Concentration.

BDL - Below Detection Limit.

UJ - Estimated Detection Limit.

MCL - Maximum Contaminant Level.

SMCL - Secondary MCL, nonenforceable guideline based on organoleptic properties (e.g., taste, color, odor).

Shading - Detected concentration above MCL or applicable standard.

Action Level - Concentration in water requiring action at distribution source.

NCA - No criteria available.



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at the residence located at the northeast corner of **Non-responsive**. The laboratory results indicate that two compounds are present at concentrations above the U.S. EPA allowable consumption limits in drinking water. The compounds 1,1-dichloroethene and trichloroethene are present in the well water at concentrations of 12 micrograms per liter ($\mu\text{g/L}$) and 6 $\mu\text{g/L}$, respectively. The U.S. EPA has established maximum contaminant levels (MCLs) for 1,1-dichloroethene and trichloroethene of 5 $\mu\text{g/L}$ in drinking water. The MCL is the maximum allowable concentration of a compound present in a public water supply.

In September of 1991 the second water supply well on this property was sampled. This well is located in a pumphouse north of the residence. Results of this sampling indicated that the compound trichloroethene was present at a concentration of 8 $\mu\text{g/L}$. This concentration also exceeds the MCL for trichloroethene.

Both wells on the property are known to contain compounds above their respective MCLs, and these compounds have been identified on the Techalloy property. Therefore, as required by U.S. EPA in their Administrative Order, Techalloy is offering to make corrective actions for this water supply. Techalloy will provide the property owner with a connection to the local municipal water supply or filtering systems for the existing wells.

If the property owner chooses to be connected to the municipal water supply Techalloy will secure the existing wells consistent with state regulations.

Non-responsive please respond to Techalloy in writing indicating your preferred action for your water supply. The U.S. EPA Administrative Order then requires Techalloy to fulfill the accepted corrective offer within 365 days of the offers acceptance.





Non-responsive

-2-

31 August 1993

If you have any questions regarding this information please do not hesitate to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rich Perlick, Techalloy
Henry Lopes, Techalloy



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear Non-responsive

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at Non-responsive. The laboratory results indicate that one compound may be present at a concentration above the U.S. EPA allowable consumption limits in drinking water. The compound, 1,2-Dichloroethane, was detected in the well water at a concentration of 11 micrograms per liter (ug/L). The U.S. EPA has established a maximum contaminant level (MCL) for 1,2-dichloroethane of 5 ug/L in drinking water. The MCL is the maximum allowable concentration of a compound present in a public water supply.

WESTON will be contacting you by telephone to schedule a time to resample your well. Analysis of another sample will confirm or refute the presence and concentration of this compound. If reanalysis confirms the presence of a compound above a MCL, Techalloy will contact you with a corrective action for your drinking water source. If you have any questions please feel free to contact me at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:sk

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that one compound may be present at a concentration above the U.S. EPA allowable consumption limits in drinking water. The compound, nitrate, was detected in the well water at a concentration of 17.6 mg/L. The U.S. EPA has established a maximum contaminant level (MCL) for nitrate of 10 µg/L in drinking water. The MCL is the maximum allowable concentration of a compound present in a public water supply.

WESTON has contacted U.S. EPA with the results of this sampling. Because of the extent of the agricultural activity in the area and the associated use of nitrogen as a fertilizer, the nitrate detection is not attributable to the industrial activities at Techalloy. At this time no further action is planned, however, if U.S. EPA determines that further action is required, WESTON will contact you at that time. The next required sampling of your well is in approximately five months. If you have any questions please feel free to contact me at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:sk

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Mr. Dick Moritz, General Manager
So Good Bar-B-Que
East Jefferson Street
Union, Illinois 60180

Re: Results of Private Well Sampling

Dear Mr. Moritz:

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at East Jefferson Street. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

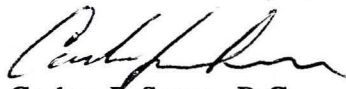
Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





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31 August 1993

Non-responsive

Re: Results of Private Well Sampling

Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
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708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling

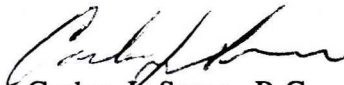
Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
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31 August 1993

Non-responsive

Re: Results of Private Well Sampling


Dear Non-responsive

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at Non-responsive. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
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31 August 1993

Non-responsive

Re: Results of Private Well Sampling


Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

31 August 1993

Non-responsive

Re: Results of Private Well Sampling


Dear **Non-responsive**

Roy F. Weston, Inc. (WESTON®) has received the results of the analytical testing of the well water at **Non-responsive**. The laboratory results indicate that no compounds of concern are present in the well water at concentrations above the U.S. EPA maximum contaminant levels (MCLs). The MCLs are the maximum allowable concentration levels that U.S. EPA will allow for compounds in a public water supply. These results indicate that no corrective action is required for this water supply. At the present time, U.S. EPA is requiring Techalloy to sample all private wells semi-annually. WESTON will contact you again in approximately five months to arrange the next round of sample collection.

Thank you very much for your cooperation in this matter. If you have any questions regarding this information, please feel free to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna, P.G.
Senior Project Manager

CJS:pw

cc: William Buller, U.S. EPA
Kevin Lesko, IEPA
Rick Perlick, Techalloy
Henry Lopes, Techalloy



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

5 August 1993

Mr. Kevin Lesko
Division Land Pollution Control
Illinois Environmental Protection Agency
P.O. Box 19276
2200 Churchill Road
Springfield, IL 62794-9276

RECEIVED

AUG 06 1993

**OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA, REGION V**

Re: Private Water Well Information for the
Techalloy Company in Union, Illinois

Dear Mr. Lesko:

In response to U.S. EPA's letter approving the Techalloy Private Well Sampling Plan (PWSP) Roy F. Weston, Inc. (WESTON®) is submitting the private well database information gathered in the preparation of the PWSP. The information obtained from the Illinois State Geological Survey, the Illinois State Water Survey and the McHenry County Department of Health is being provided to IEPA with copies to U.S. EPA, consistent with U.S. EPA's request.

If you have any questions or require any further information please feel free to contact me at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:sk

cc: William Buller, U.S. EPA





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

RECEIVED

JUL 30 1993

28 July 1993
OFFICE OF RCRA
WASTE MANAGEMENT DIV
EPA, REGION 5

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Work Order No: 01989-011-001

Re: Private Well Sampling for Techalloy Company in Union, Illinois

Dear Mr. Buller:


The purpose of this letter is to inform U.S. EPA of the sampling of the previously identified private wells in Union, Illinois. As you are aware the individual sampling notifications were mailed to the 13 respective well owners on 13 July 1993. WESTON contacted by phone each individual well owner to arrange a sampling time. On 22 and 23 July, twelve of the thirteen identified wells were sampled. One well owner, Mr. John Heimsoth of 6201 Park Street in Union, refused to allow WESTON access to a water sample from his well. In a telephone conversation on 16 July 1993, Mr. Heimsoth told Mr. Scott Koepsell of WESTON that his well had been tested in the past and he was confident the water was clean. Mr. Heimsoth insisted there was no need to sample his well and therefore, would not allow WESTON to draw a sample.

WESTON will provide U.S. EPA and IEPA with the results of the analytical testing upon receipt of the results. An updated list of property ownership and associated telephone numbers has been attached for your files.

If you have any questions or require any further information, please do not hesitate to contact me at (708) 918-4002.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna
Senior Project Manager

CGS:ebg

cc: Henry Lopes, Techalloy
Kevin Lesko, IEPA



LIST OF PROPERTY OWNERS
PRIVATE WELL SAMPLING
UNION, ILLINOIS

Non-responsive



Non-responsive





THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4955

RECEIVED

19 July 1993

JUL 21 1993

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 West Jackson Boulevard
Chicago, IL 60604

OFFICE OF RCRA
WASTE MANAGEMENT DIV
EPA, REGION V

Work Order No.: 01989-010-001

Re: Private Well Sampling Plan (PWSP) at the Techalloy Facility

Dear Mr. Buller:


This letter documents our phone conversation on 14 July 1993. The U.S. EPA's letter from Mr. Joseph M. Boyle to Mr. Henry Lopes and dated 2 July 1993 grants an approval of the Private Well Sampling Plan with modifications. Techalloy agrees to the modifications with the exception of the addition of chloride to the list of parameters to analyze. Techalloy disagrees with analyzing for chloride since this is a waste constituent associated with the facility located west of Techalloy. Techalloy does not want to be responsible for any actions dictated by the Administrative Order on Consent if chloride were to exceed an applicable drinking water standard.

During the phone conversation, Mr. Buller agreed to not include chloride within the constituent list of parameters to analyze. Currently, Techalloy has informed by letter each of the 13 private well owners. It is anticipated that these wells will be sampled within the next two weeks.

If you have any questions or would like to further discuss the private well sampling please do not hesitate to contact me at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.


Carlos J. Serna, P.G.
Senior Project Manager

CJS:sk

cc: Henry Lopes - Techalloy
Kevin Lesko - IEPA



021

JUL 02 1993

HRE-8J

Mr. Henry Lopes
Techalloy Company, Inc.
370 Franklin Turnpike
Mahwah, New Jersey 07430

Re: Private Well
Sampling Plan - May 1993
Techalloy Company, Inc.
ILD 005 178 975

Dear Mr. Lopes:

The United States Environmental Protection Agency (U.S. EPA) has reviewed the revised document "Private Well Sampling Plan" (PWSP) dated May 1993, which was submitted by Techalloy Company, Inc., in accordance with the Administrative Order on Consent, Docket No. V-W-007-93.

The U.S. EPA approves the above referenced document with the following modifications to be incorporated into the PWSP.

- In addition to the nine wells proposed for sampling and analysis, wells 9, 10, 11, and 16, as identified on Figure 1-3 of the PWSP, shall be included. All wells shall be sampled/analyzed semi-annually until U.S. EPA notifies you in writing of a modification to the well list.
- Analytical method SW-846 8010 shall be used for analysis of vinyl chloride.
- Chloride shall be added to the list of inorganic analytes.
- Until the Resource Conservation and Recovery Act (RCRA) Facility Investigation Quality Assurance Project Plan is approved by U.S. EPA, all well sampling procedures shall follow the procedures as given in the May 1993 PWSP, and as applicable, the procedure given in the RCRA Ground-water Monitoring Technical Enforcement Guidance Document, U.S. EPA - September 1986.

Within thirty (30) days of receipt of this letter, Respondent shall submit to the Illinois Environmental Protection Agency, with copies to U.S. EPA, the relevant portions of the Illinois State Water Survey Private Well Database, the Illinois State Geological Survey Database, and the well construction reports of McHenry County Department of Health. All accompanying correspondence and support documents shall be included in this submission.

In the event additional wells near the groundwater contaminant plume are identified by Techalloy Company, U.S. EPA shall immediately be informed, in writing, of the location of such wells.

If you have any questions, please call William Buller, of my staff, at 312-886-4568.

Sincerely yours,

Joseph M. Boyle, Chief
RCRA Enforcement Branch

cc: Kevin Lesko, IEPA
Carkis Sernas, Weston

bcc: Jacqueline Kline, ORC

HRE-8J/WB/be/6/29/93/Filename-Techallo.SP



THREE HAWTHORN PARKWAY, SUITE 400
VERNON HILLS, IL 60061-1450
708-918-4000 • FAX: 708-918-4055

18 June 1993

Mr. William Buller
U.S. Environmental Protection Agency
Region V
RCRA Enforcement Branch (HRE-8J)
77 W. Jackson Boulevard
Chicago, Illinois 60604

Work Order No.: 01989-009-001

Re: Private Well Sampling Plan, Appendix F
Techalloy Company, Union, Illinois
ILD 005 178 975

Dear Mr. Buller:

Roy F. Weston, Inc. (WESTON®) is submitting Quality Assurance/Quality Control (QA/QC) information and Standard Operating Procedures (SOPs) for the analytical methods specific to the Private Well Sampling Plan (PWSP) for Techalloy Company, Inc. of Union, Illinois. Consistent with your letter of 20 April 1993 to Henry Lopes and your phone conversation with Bob Gilbertsen of WESTON on the afternoon of 14 May 1993, this information has been prepared as an addendum (Appendix F) to the RCRA Facility Investigation Draft Quality Assurance Project Plan (QAPP) for Techalloy Company dated April 1993. Please incorporate Appendix F into the Techalloy QAPP.

If you have any questions or require any additional information please do not hesitate to contact WESTON at (708) 918-4000.

Very truly yours,

ROY F. WESTON, INC.

Carlos J. Serna, P.G.
Senior Project Manager

CJS:ll

Enclosure

cc: Kevin Lesko - IEPA





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-3590

D27

APR 20 1993

REPLY TO THE ATTENTION OF:

HRE-8J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Henry Lopes
Techalloy Company, Inc.
370 Franklin Turnpike
Mahwah, New Jersey 07430

Re: Private Well Sampling Plan (PWSP)
Techalloy Company, Inc.
ILD 005 178 975

Dear Mr. Lopes:

The United States Environmental Protection Agency (U.S. EPA) has reviewed the "Private Well Sampling Plan (PWSP) - February 1993" which was submitted pursuant to the Administrative Order On Consent (AOC), Docket NO. V-W 007-93. Due to significant deficiencies, the PWSP dated February 1993 is disapproved by U.S. EPA. To obtain U.S. EPA's approval, it is recommended that the revisions as noted in Attachment I be incorporated in a revised plan. Pursuant to Section VI.H of the AOC, Respondent has thirty (30) days from its receipt of this letter to submit the revised PWSP to U.S. EPA.

The most significant deficiency of the PWSP is the omission of the attestation required in Section VI.A.1 of the AOC. This Section specifies that the PWSP include an attestation by the Respondent that the list of properties with water wells is complete and up to date. It is critical that all residential wells in the potential area of contamination be identified. Pursuant to Section VI.A.1 of the AOC, it is Respondent's responsibility to assure all such wells are identified.

To expedite the sampling program, a complete Quality Assurance Project Plan (QAPjP) does not have to be included in the PWSP. Instead, the appropriate quality assurance information pertaining to the PWSP should be included in the QAPjP portion of the RCRA Facility Investigation Work Plan.